EE-595
Wireless Charging Table
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Wireless Charging Table

Description

• Device will provide both Qi* compliant wireless or wired charging for mobile devices.
• Feedback information including charger state (sleeping, sensing, charging) plus device information displayed on an LCD screen.
• Offers either wired (USB) or wireless (inductive) charging.
• Advanced power saving algorithms.
• North American market

• Qi Inductive Power Standard:  http://www.wirelesspowerconsortium.com/
EE-595
Block Diagram
EE-595
Key Requirements

• Cost
  • Sales Price: $100, Component Cost: $50, Assembly & Test Costs: $10

• Environment
  • Indoor environment
  • Operating Temp Range: 0 - 50 °C
  • Operating Humidity Range: 0% - 100%

• Power Input(s)
  • Residential AC Power: 102 - 132 VAC @ 200 mA Max, 60 Hz

• Major Functions, Quantities Measured, Displayed
  • Major Modes: Sleep, charging, sensing modes
  • Battery charge percentage
  • 10 mV wireless charging resolution
  • DCP USB delivering 5 watts of power
  • Qi Compliance